

## 32-2743: PSMA4 Recombinant Protein

**Alternative Name :** Proteasome subunit alpha type-4, Macropain subunit C9, Multicatalytic endopeptidase complex subunit C9, Proteasome component C9, Proteasome subunit L, PSMA4, HC9, PSC9, HsT17706.

### Description

Source : E.coli. PSMA4 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 285 amino acids (1-261) and having a molecular mass of 32kDa. PSMA4 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Proteasome subunit alpha type 4 (PSMA4) belongs to the peptidase T1A family, which is a 20S core alpha subunit. The proteasome is a multicatalytic proteinase complex with an extremely ordered ring-shaped 20S core structure. The core structure is comprised of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. PSMA4 is dispersed throughout eukaryotic cells at a high concentration and cleaves peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway.

### Product Info

**Amount :** 20 µg

**Purification :** Greater than 95% as determined by SDS-PAGE.

**Content :** The PSMA4 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 1mM DTT and 0.1mM PMSF.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSMSRRYD SRTTIFSPG RLYQVEYAME AIGHAGTCLG ILANDGVLLA  
AERRNIHKLL DEVFFSEKIY KLNEDMACSV AGITSDANVL TNELRLIAQR YLLQYQEPIC CEQLVTALCD  
IKQAYTQFGG KRPFGVSLLY IGWDKHYGFQ LYQSDPSGNY GGWKATCIGN NSAAAVSMLK  
QDYKEGEMTL KSALALAIKV LNKTM DVSKL SAEKVEIATL TRENGKTVIR VLKQKEVEQL IKKH EEEEEAK  
AEREKKEKEQ KEKDK.

